DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

OFFICE OF DESIGN POLICY & SUPPORT INTERDEPARTMENTAL CORRESPONDENCE

FILE P.I. # 0013610

OFFICE Design Policy & Support

Wayne County

GDOT District 5 - Jesup

Dre Patro

DATE 05/25/2018

SR 38/US 84 @ Little McMullen Creek

in Jesup – Bridge Replacement

FROM

for Brent Story, State Design Policy Engineer

TO SEE DISTRIBUTION

SUBJECT APPROVED CONCEPT REPORT

Attached is the approved Concept Report for the above subject project.

Attachment

DISTRIBUTION:

Hiral Patel, Director of Engineering

Joe Carpenter, Director of P3

Albert Shelby, Director of Program Delivery

Darryl VanMeter, Assistant Director of P3/State Innovative Delivery Administrator

Kim Nesbitt, Program Delivery Administrator

Bobby Hilliard, Program Control Administrator

Cindy VanDyke, State Transportation Planning Administrator

Eric Duff, State Environmental Administrator

Bill DuVall, State Bridge Engineer

Andrew Heath, State Traffic Engineer

Angela Robinson, Financial Management Administrator

Lisa Myers, State Project Review Engineer

Monica Flournoy, State Materials Engineer

Patrick Allen, State Utilities Engineer

Benny Walden, Statewide Location Bureau Chief

Brad Saxon, District Engineer

Troy Pittman, District Preconstruction Engineer

Dallory Rozier, District Utilities Engineer

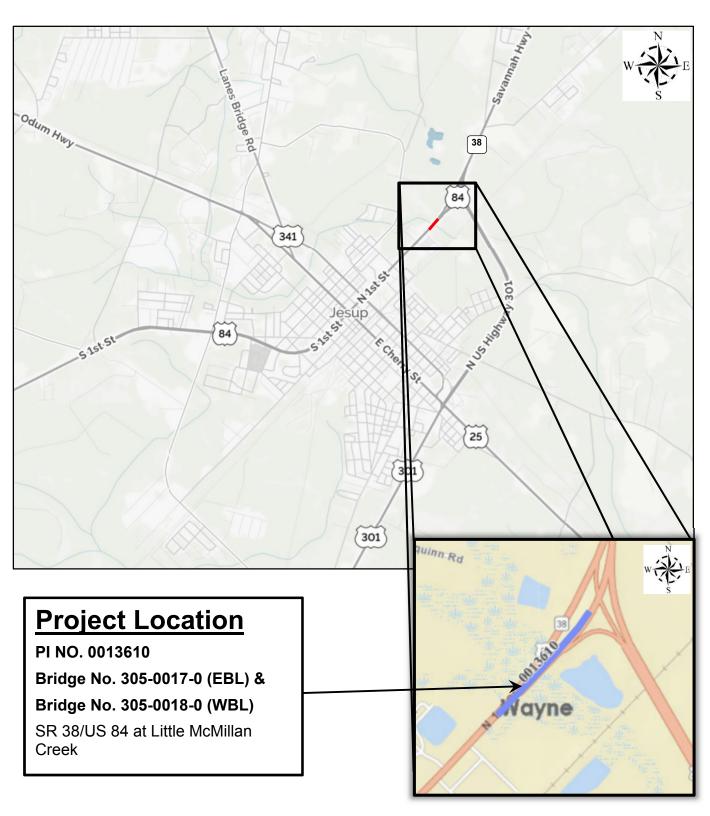
Brian McHugh, Project Manager

BOARD MEMBER - 1st Congressional District

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA LIMITED SCOPE PROJECT CONCEPT REPORT

Project Type: Bridge Replacement	P.I. Number:	0013610
GDOT District: 5	County:	Wayne
Federal Route Number: US 84	State Route Number:	SR 38
Project Number:	N/A	-
This project proposes to replace the twin bridges on SR 3 located in Wayne County.	88/US 84 over Little McMi	llan Creek in Jesup, GA
**Concept Report updated to address Of	ffice Head Review com	ments
7 3 3 3		
Submitted for approval:		12/20/2017
Umit Sayhan, PE, ARCADIS, U.S. Kumberly W. Masselt	•	Date 12/29/17
State Program Delivery Engineer		Date
Frain & Melph		12/21/2017
GDOT Project Manager		Date
Recommendation for approval: *Recommendation	ons on File	
*Eric Duff/KLP		1/4/2018
State Environmental Administrator		Date
*Christina Barry/KLP		1/18/2018
For State Traffic Engineer		Date
*Bill DuVall/KLP		3/24/2018
State Bridge Engineer		Date
*Brad Saxon/KLP		1/12/2018
District Engineer		Date
 MPO Area: This project is consistent with the MPO (RTP)/Long Range Transportation Plan (LRTP). 	O adopted Regional Trans	sportation Plan
Rural Area: This project is consistent with the goal (SWTP) and/or is included in the State Transportar		
Costling L. Naiske		1-1078
State Transportation Planning Administrator		Date
Approval:		
Concur:		Slight
GDOT Director of Engineering		Date
Annual		1 1
Approve: GDOT Chief Engineer	rkle	5 18 18 Date
		Dale '

PROJECT LOCATION



PLANNING & BACKGROUND DATA

Project Justification Statement: This project consists of two bridges on SR 38 (US 84) over Little McMillan Creek in Wayne County. Both of these bridges are on the National Highway System.

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The bridge on SR 38 EBL over Little McMillan Creek, Structure ID 305-0017-0, was built in 1971. The bridge consists of eight (8) spans of Reinforced Concrete Deck Girders (RCDG's) on concrete caps with concrete piles. A structural analysis shows that there is no reserve capacity in the superstructure of this bridge. This bridge was designed using an HS-20 vehicle, which is below current design standards. The overall condition of this bridge would be classified as satisfactory. The deck is in good condition. The superstructure is in satisfactory condition with minor deflection cracking in the RCDG's and spalls with exposed rebar. The substructure is in good condition. This bridge is classified as having an unknown foundation and therefore could be at risk for scour.

The bridge on SR 38 WBL over Little McMillan Creek, Structure ID 305-0018-0, was built in 1957. The bridge consists of eight (8) spans of Reinforced Concrete Deck Girders (RCDG's) on concrete caps with concrete columns. This structure is currently posted for weight restrictions. This bridge was designed using an HS-20 vehicle, which is below current design standards. This bridge is classified as structurally deficient and is in poor condition. The deck is in poor condition with moderate to heavy cracking and spalls with exposed rebar. The superstructure is in poor condition with heavy deflection cracks in the RCDG's and spalls with exposed rebar. The substructure is in fair condition with minor cracking and spalls with exposed rebar in the caps. This bridge is classified as having an unknown foundation and therefore could be at risk for scour.

Due to the structural deficiency and weight restrictions of bridge 305-0018-0, the structural integrity of both bridges pertaining to their design vehicles, and the unknown foundation of both bridges, replacement of these bridges is recommended.

Existing conditions: SR 38/US 84 over Little McMillan Creek is 4-lane urban principal arterial divided highway that runs east-west, located just northeast of Jesup, Wayne County, Georgia. SR 38 on the east approach to the bridges is a four lane highway with 14-foot flush median. SR 38 then divides into two bridges, 2 travel lanes each, over Little McMillan Creek and stays divided until after the SR 38/US 84 and US 301 interchange, where the two highways merge to a four lane highway with 14-foot flush median. The eastbound bridge (ID 305-0017-0) is 208' long and 46.5' wide. The westbound bridge (ID 305-0018-0) is 200' long and 48' wide.

Other projects in the area:

Pl No.	Project Description	Construction Funding Year
0012503	SR 38 @ CS 603/West Orange St	2021
0012513	SR 23/US 301 Sidewalk	2021
0013719	SR 38/ US 84 @ Doctors Creek	2020
0013944	SR 169 @ Goose Creek	2020
0015724	Transportation Improvements in Jesup-Phase II	2020

areas located northeast and northwest quadrants of the project and proposed and existing commercial

MPO: N/A TIP #: N/A Congressional District(s): 1 **Federal Oversight:** □PoDI ⊠Exempt ☐ State Funded □ Other Projected Traffic: ADT 24 HR T: 21% Current Year (2017): 13,000 Open Year (2020): 13,350 Design Year (2040): 14,750 Traffic Projections Performed by: Arcadis Inc. Date approved by the GDOT Office of Planning: March 23, 2018 Functional Classification (Mainline): Urban Principal Arterial Complete Streets - Bicycle, Pedestrian, and/or Transit Standards Warrants: Warrants met: ⊠Pedestrian □Transit □None ⊠Bicycle Pedestrian Warrant #1: Martha Rawls Smith Elementary School within 0.5 mile, Park/Recreation/Conservation Limited Scope Concept Report – Page 3 County: Wayne

development areas including Walmart on the south side of the project area based on Heart of Georgia Altamaha Regional Commission 2015 Existing and Future Land Use maps.

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Bicycle Warrant #1 and 2: SR38 is part of the regional bike route. See GDOT DPM Section 9 Figure 9.3 and Regional Bicycle/Pedestrian Plan, 2005 by Heart of Georgia Altamaha Regional Development Center.

Pavement Evaluation and Recommendations

Preliminary Pavement Evaluation S	ummary Report	t Required?	⊠No	□Yes
Preliminary Pavement Type Selection	on Report Requ	uired?	⊠No	□Yes
Feasible Pavement Alternatives:	\boxtimes HMA	$\Box PCC$		□HMA & PCC

DESIGN AND STRUCTURAL

Description of the proposed project: This project is located on State Route 38 (US 84) over Little McMillan Creek in Jesup, Georgia, Wayne County. Proposed bridges over Little McMillan Creek will be about 230-ft long by 47-ft wide for both the eastbound and westbound side. The proposed baselines will remain the same and the proposed profile will remain close to existing profiles. The proposed design speed is 45 mph. The total length of the project is approximately 1000 feet (0.2 miles). One bridge will be constructed at a time, while the other bridge will be utilized for one lane of traffic in each direction during construction.

Major Structures:

Structure ID	Existing	Proposed
305- 0017-0	SR 38/US 84 EB over Little McMillan Creek. The existing 208-foot-long bridge carries two lanes of traffic eastbound. A 2-foot gutter at the inside shoulder side with a 4-foot sidewalk and a 8-foot outside shoulder with a 2-foot gutter and 4-foot sidewalk. The sufficiency rating is 79.4	The existing bridge will be replaced. The proposed 230-foot-long bridge will carry two lanes of traffic eastbound. Two 12-foot travel lane with a 4-foot rural inside shoulder and a 8-foot outside bike lane with 2-foot gutter and 5.5-foot sidewalk.
305- 0018-0	SR 38/US 84 WB over Little McMillan Creek. The existing 200-foot-long bridge carries two lanes of traffic westbound. A 2-foot gutter at the inside shoulder side with a 6-foot sidewalk and a 8-foot outside shoulder with a 2-foot gutter and 6- foot sidewalk. The sufficiency rating is 48.9	The existing bridge will be replaced. The proposed 230-foot-long bridge will carry two lanes of traffic westbound. Two 12-foot travel lane with a 4-foot rural inside shoulder and a 8-foot outside bike lane with 2-foot gutter and 5.5-foot sidewalk.

Mainline Design Features: SR 38/US 84

Feature	Existing	Standard*	Proposed
Typical Section			
- Number of Lanes	4		4
- Lane Width(s)	12'	11'-12'	12'
	14-foot flush at the west		Varies 22-foot to 35-foot
- Median Width & Type	Raised grass western approach	N/A	Depressed western approach
	44' Depressed eastern approach		44' Depressed eastern approach
	10' Urban**		10' Urban**
- Outside Shoulder Width	12' Rural – 10' paved (EB Eastern	N/A	12' Rural – 10' paved (EB Eastern
	Approach)		Approach)
- Outside Shoulder Slope	2% (on bridge)	N/A	2% (on bridge)
- Outside Silouider Slope	6% (EB Eastern Approach)	N/A	6% (EB Eastern Approach)
	N/A at the bridge and western		4' at the bridge
- Inside Shoulder Width	approach	N/A	6' with 2' paved at the eastern and
	2' paved at eastern approach		western approaches
- Sidewalks (on Bridge)	4' & 6'	N/A	5.5' (only outside shoulder)
- Auxiliary Lanes	N/A		N/A
- Bike Lanes	8'	N/A	8'
Posted Speed	45 MPH		45 MPH
Design Speed	45 MPH	45-55	45 MPH
	43 WFH	MPH	45 WIFT
Min Horizontal Curve Radius	6985'	643'	6985'
Maximum Superelevation Rate	unknown	4%	2%
Maximum Grade	unknown	5%	5%
Access Control	Permit	Permit	Permit
Design Vehicle	unknown		WB-67
Pavement Type	НМА		НМА

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s the project located on a NHS roadway? □ No □ Yes							
Design Exceptions to FHWA/AASHTO controlling criteria anticipated: None							
Design Variances to GDOT Sta	andard Criteria	anticipa	ited: Median w	idth and t	ype at the western end		
Lighting required:	⊠ No	☐ Yes					
Off-site Detours Anticipated:	⊠ No		☐ Undetermin	ed	☐ Yes		
Transportation Management F	Plan [TMP] Requ	uired:	□ No				
If Yes: Project classified as: TMP Components Anticipated:	⊠ TTC	⊠ Non-	Significant				
INTERCHANGES AND INTERSECTIONS							
Major Interchanges/Intersections: SR38/US84 and US 301							
Intersection Control Evaluation (ICE) Required: No Yes							
Roundabout Peer Review Req	uired: 🗵 No		Yes	☐ Comp	leted – Date:		

UTILITY AND PROPERTY

Railroad Involvement: None

Utility Involvements: AT&T, Ga. Power-Dist., Comcast

^{*}According to current GDOT design policy if applicable
** Existing section does not have sidewalk. See the proposed sidewalk locations in concept layout.

SUE Required:	⊠ No	□Yes				
Public Interest Determ	nination Policy	and Proce	dur	e reco	ommended? ⊠ No	☐ Yes
Right-of-Way: Required Right-of-Way Easements anticipated:	•	125-200 ft ⊠ No ⊠ Tempo			Proposed width: Yes □ Undef Permanent □ Utility	ermined
	Anticipated to Displacements		d:		2 2 2	
Impacts to USACE pro	operty anticipat	ed? ⊵	∃ Nc)	□ Yes □	☐ Undetermined
CONTEXT SENS	SITIVE SOL	UTION	S			
Issues of Concern: n	ione					
Context Sensitive Sol	utions Propose	d: none				
ENVIRONMENT Anticipated Environm NEPA: PCE GEPA: Type	ental Documen	t:	_	EA-F(EER	DNSI ☐ EIS ☐ None	
environmental ana delineation, and ago	considerations lysis and are sency concurrence	subject to e.	rev	ision	after the completion	desktop or screening level of resource identification,
The environmental delineation, and ago			w a	re ba	sed on the completio	n of resource identification,
Water Quality Require	ements:					
MS4 Permit Complian	ce – Is the proje	ect located	d in	a MS	4 area? ⊠ No	☐ Yes
Is Non-MS4 water qua	lity mitigation a	nticipated	!?	\boxtimes	No Yes	
Environmental Permit	s, Variances, C	ommitmer	nts,	and C	coordination anticipa	ted:
Permit/Varianc	e/Commitment/					
Coordination	n Anticipated	N	lo	Yes		Remarks
1. U.S. Coast Guard	Permit		\triangleleft			
2. Forest Service/NPS	S					
3. CWA Section 404	Permit			\boxtimes	Potentially a Nationwide	Permit 14 or 3a
4. Tennessee Valley	Authority Permit					
5. 33 USC 408 Decis	ion					
6. Buffer Variance			\exists		All impacts should be ex	empt
7. Coastal Zone Man	agement Coordi	nation [\boxtimes		
8. NPDES				\boxtimes		
9. FEMA						one AE floodplain. It is anticipated roduce a rise in floodplain level.
10. Cemetery Permit			$\exists \mid$			
11. Other Permits			\overline{A}			

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County: Wayne

12. Other Commitments	\boxtimes	Special Provision 107.23H Protection of Species
13. Other Coordination	\boxtimes	Formal or Informal Section 7 coordination with USFWS.

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NEPA/GEPA Comments & Information:

NEPA/GEPA: The anticipated environmental document is Categorical Exclusion (CE).

Ecology: Desktop survey indicates that the project crosses Little McMillan Creek and that there are wetlands east and west of the existing roadway.

There are ten (10) federal and/or state protected species with potential to occur within the project corridor. These species are swallow-tailed kite, dwarf witch-alder, hooded pitcherplant, wood stork, eastern indigo snake, gopher tortoise, Atlantic sturgeon, shortnose sturgeon, Altamaha spinymussel, and hairy rattleweed. The project is within the designated critical habitat for Altamaha spinymussel. An aquatic survey will not be needed because presence/absence of species can be evaluated by assessing habitat.

An ecological survey, protected species survey, and ecology Assessment of Effects Report (AOER) will be needed.

History: The desktop survey did not identify any potential historic resources. However, a Historic Resources Survey Report would be prepared with Georgia State Historic Preservation Office (SHPO) concurrence needed. Project effects will be documented in a cultural resource Assessment of Effects (AOE).

Archeology: Due to the location of the project, Native American, Pre-Civil War, and Civil War era archaeological resources may be present within the project corridor. An archaeological survey will be conducted and a Phase I Archaeological Survey Report with SHPO concurrence will be needed. Project effects will be documented in an AOE.

Air Quality:

s the project located in an Ozone Non-attainment area?	⊠ No	☐ Yes	
s a Carbon Monoxide hotspot analysis required?	⊠ No	☐ Yes	

The proposed project is included in the State Transportation Improvement Program (STIP) FY 18-21, as 0013610.

Noise Effects: This project meets the criteria for a Type III project established in 23 CFR Part 772 and does not require an analysis for highway traffic noise impacts.

Public Involvement: A Public Information Open House will not be required, as the bridge replacement will not require a detour, there are only 2 impacted parcel making this project minor, and there is no public controversy.

Major stakeholders: Wayne County; City of Jesup; Business Owners in Jesup; Traveling Public

COORDINATION, ACTIVITIES, RESPONSIBILITIES, AND COSTS

Project Meetings:

Project Activity	Party Responsible for Performing Task(s)
Concept Development	ARCADIS, US
Design	ARCADIS, US
Right-of-Way Acquisition	GDOT
Utility Coordination (Preconstruction)	GDOT
Utility Relocation (Construction)	Utility Company
Letting to Contract	GDOT
Construction Supervision	GDOT
Providing Material Pits	CONTRACTOR
Providing Detours	CONTRACTOR
Environmental Studies, Documents, & Permits	ARCADIS, US
Environmental Mitigation	GDOT
Construction Inspection & Materials Testing	GDOT

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Other coordination to date:

Concept Team Meeting: December 19, 2017

Project Cost Estimate and Funding Responsibilities:

	PE Activities		PE Activities			
	PE Funding	Section 404 Mitigation	ROW	Reimbursable Utilities	CST*	Total Cost
Funded By	GDOT	GDOT	GDOT	GDOT	GDOT	
\$ Amount	\$500,000	\$18,840***	\$250,000.00	\$88,000.00	\$6,687,023.52	\$7,543,863.52
Date of Estimate	2016	12/14/17	12/14/17**	11/17/17	12/10/17	

^{*}CST Cost includes: Construction, Engineering and Inspection, Contingencies and Liquid AC Cost Adjustment.

ALTERNATIVES DISCUSSION

Preferred Alternative: This alternative proposes to keep the same alignments of SR 38/US 84 at Little McMillan Creek and replace the twin bridges in their existing locations. This alternative will construct one bridge at a time, while utilizing the other during construction to maintain traffic through the area.

Estimated Property Impacts:	2	Estimated Total Cost:	\$7.5 Million
Estimated ROW Cost:	\$250,000	Estimated CST Time:	24 Months

Rationale: This alternative was chosen because it would keep the existing alignments, reduce the roadway length required for the approaches, and reduces the need for required Right-of-Way to temporary easement, reducing any addition environmental impacts.

No-Build Alternative: This alternative proposes that the SR 38/US 84 twin bridges at Little McMillan Creek not be replaced.

Estimated Property Impacts:	None	Estimated Total Cost:	\$0
Estimated ROW Cost:	\$0	Estimated CST Time:	None

Rationale: This alternative was not chosen as it would not meet the project justification statement for this project.

Alternative 2: This alternative proposes to keep the same alignments of SR 38/US 84 at Little McMillan Creek and replace the twin bridges in their existing locations. This alternative will construct both bridges at the same time. This alternative requires an off-site detour of approximately 4 miles.

Estimated Property Impacts:	2	Estimated Total Cost:	\$7.0 Million
Estimated ROW Cost:	\$250,000	Estimated CST Time:	18 Months

Rationale: This alternative was not chosen because it would require an off-site detour. An off-site detour would be an inconvenience to local travelers, and create a longer route for emergency vehicles.

^{**} Submitted to GDOT

^{*** 534-}foot stream credits at \$20 and 3.12 acres wetland credits at \$2500. Provided by Lisa Westbury at OES

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County: Wayne

Alternative 3: This alternative proposes to replace the existing twin bridges with one proposed bridge. This alternative would shift the alignments each to the center of SR 38/US 84. This alternative would require stage construction of the bridge in order to maintain traffic in the area during construction. This alternative might require another bridge replacement due to the realignment east of Little McMillan Creek for SR 38 eastbound over the SR 38 exit ramp to US 301.

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Estimated Property Impacts:	2	Estimated Total Cost:	\$9.0 Million
Estimated ROW Cost:	\$250,000	Estimated CST Time:	36 Months

Rationale: This alternative was not chosen because of the required staged construction of a single bridge and the additional approach length and additional bridge replacement required for the alignments to tie back into the existing roadway.

Alternative 4: This alternative proposes to shift the eastbound bridge to the south, and keep the existing alignment on the westbound bridge. This alternative would keep two bridges and four travel lanes open during construction.

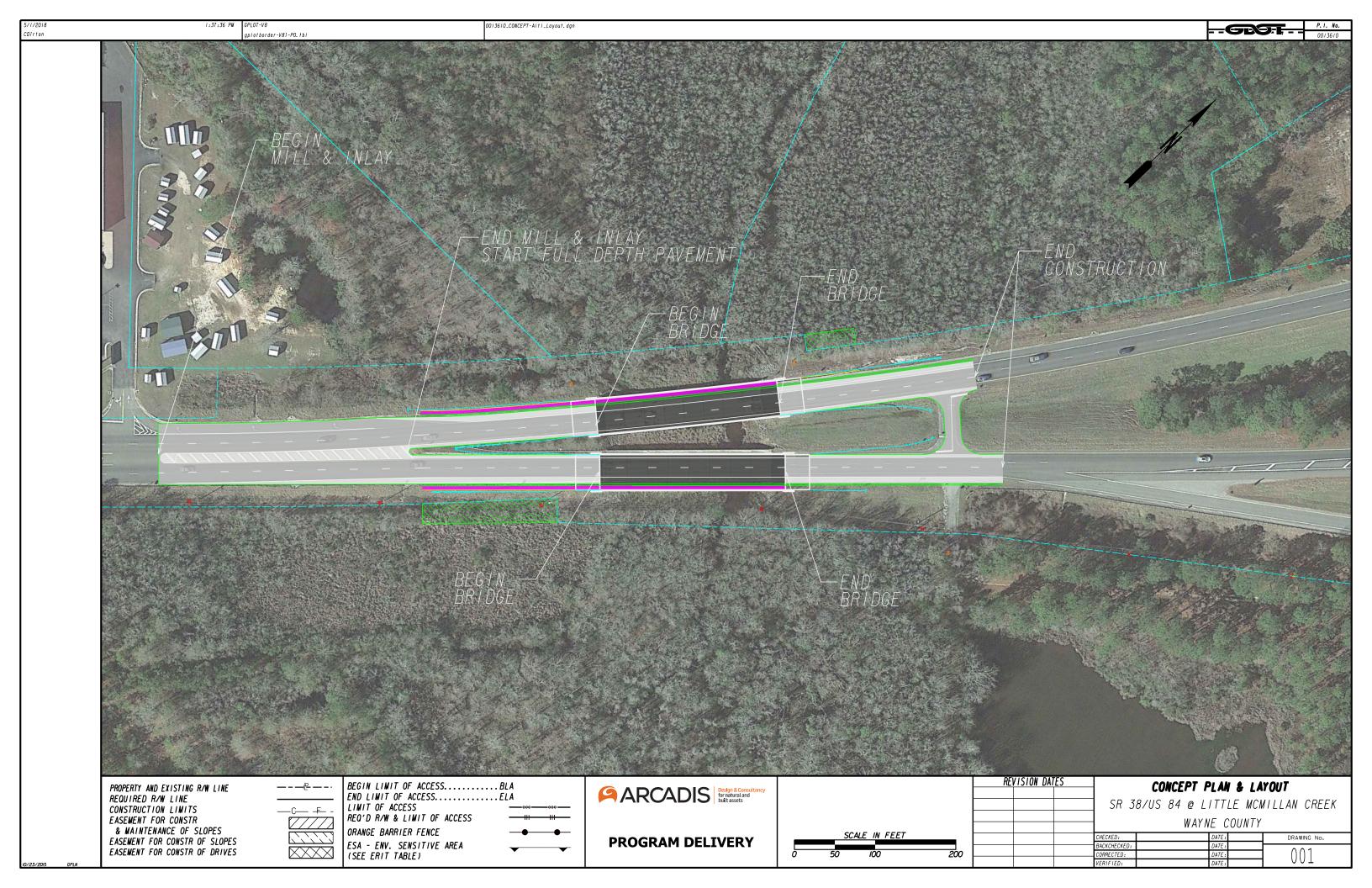
Estimated Property Impacts:	1	Estimated Total Cost:	\$8.2 Million
Estimated ROW Cost:	\$500,000	Estimated CST Time:	24 Months

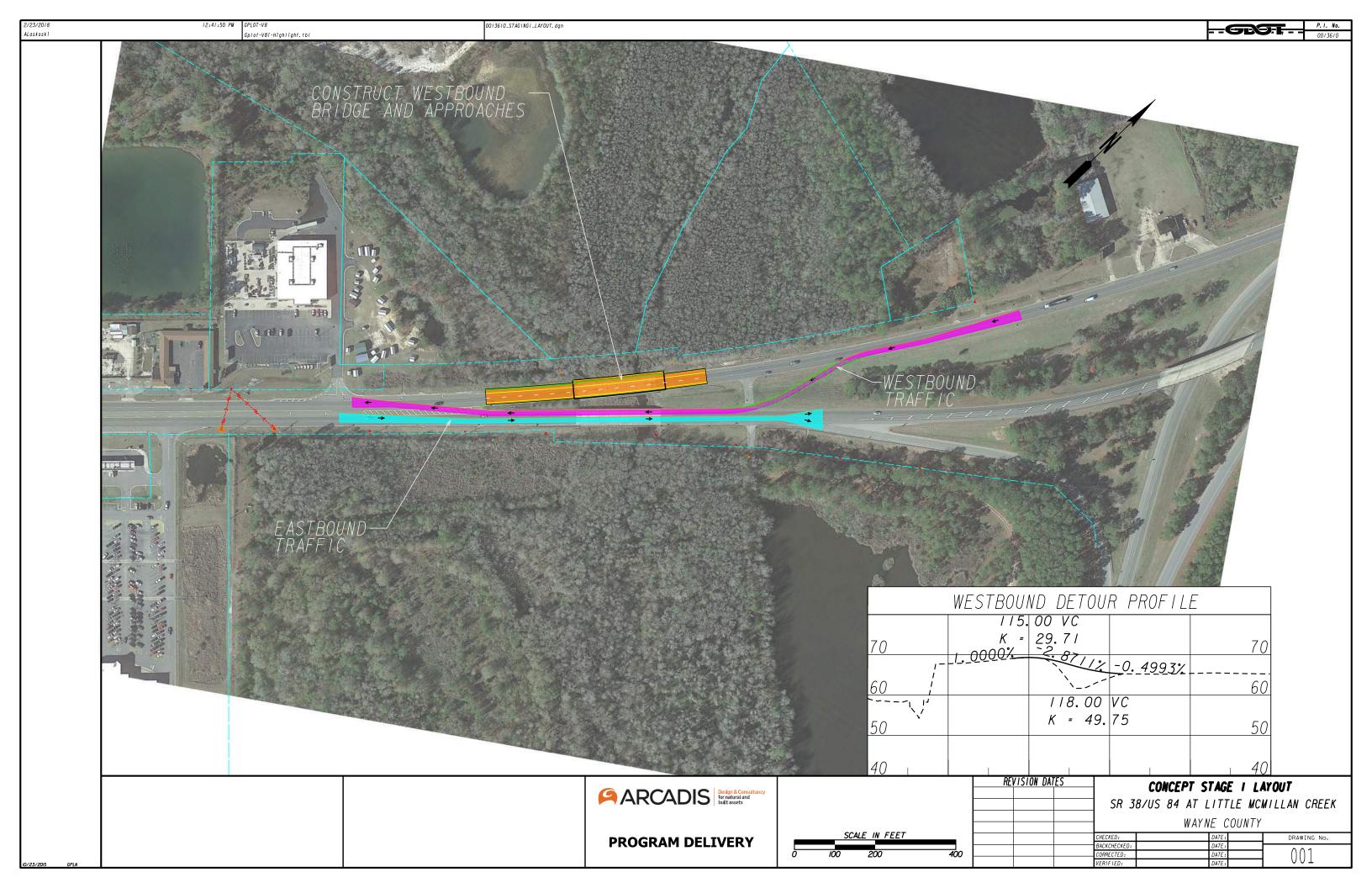
Rationale: This alternative was not chosen as it would require additional approach length for the eastbound bridge in order to tie back into the existing roadway. This alternative requires additional Right-of-Way, and would have additional environmental impacts.

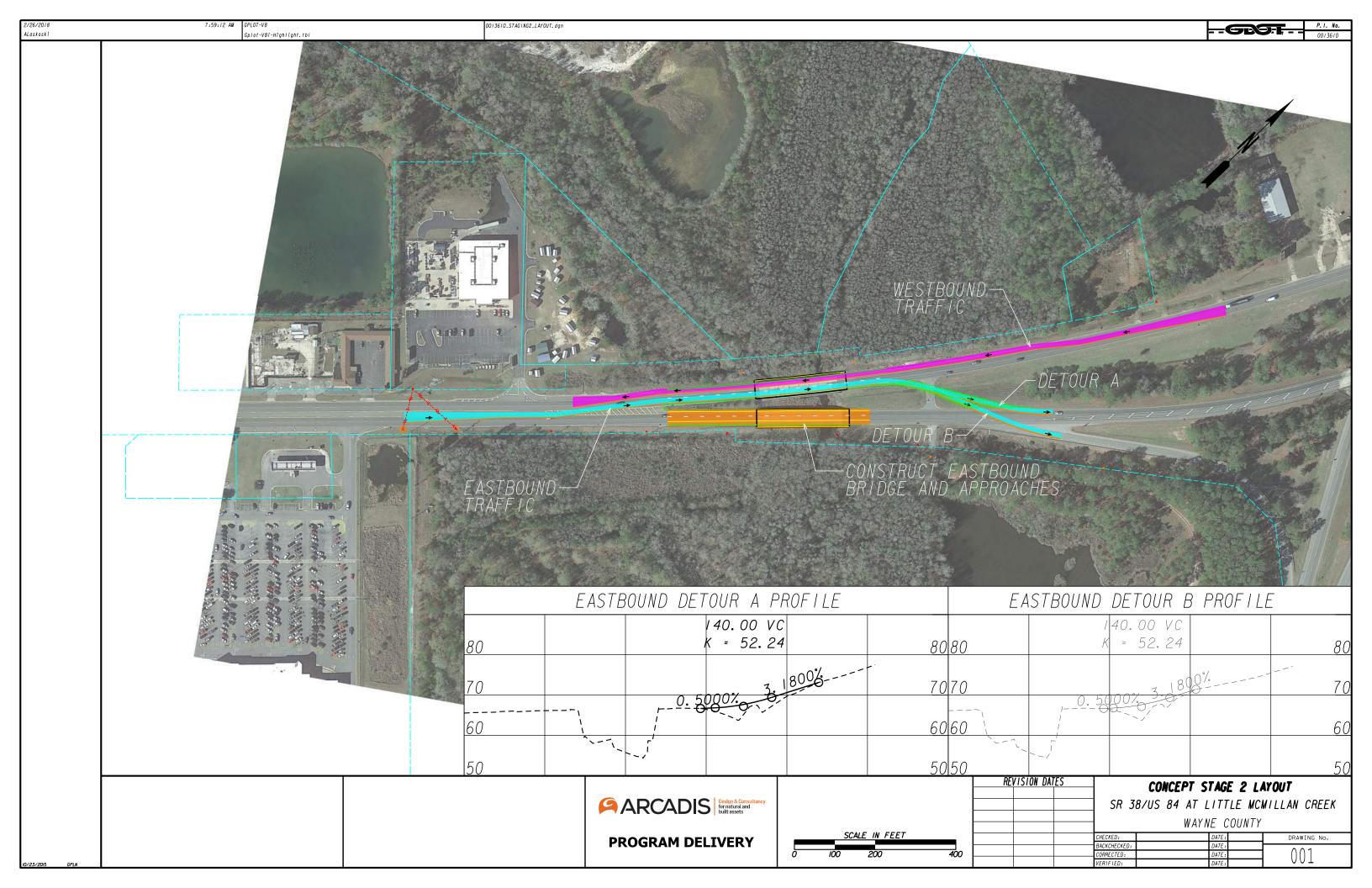
Comments/Additional Information:

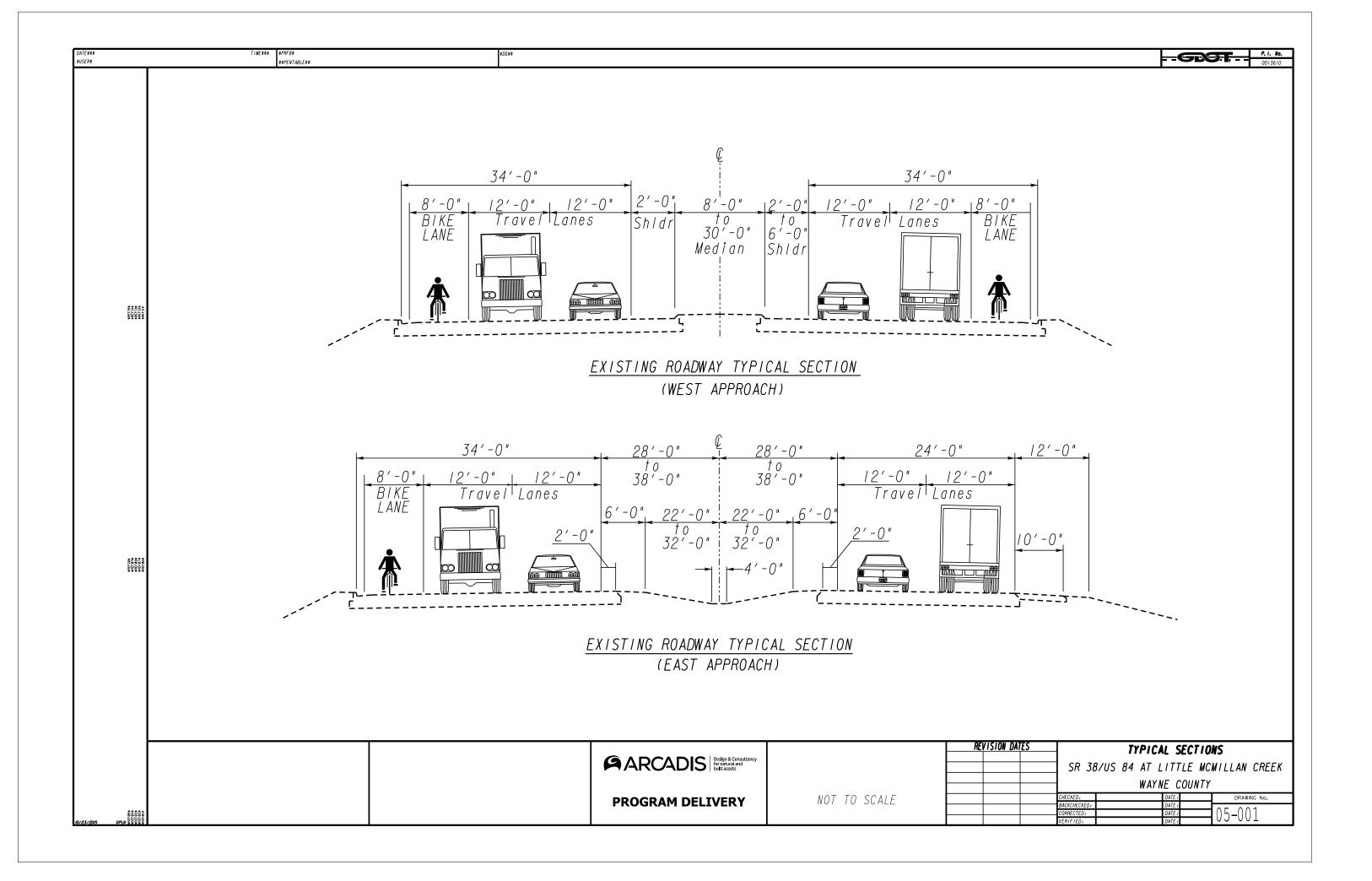
LIST OF ATTACHMENTS/SUPPORTING DATA

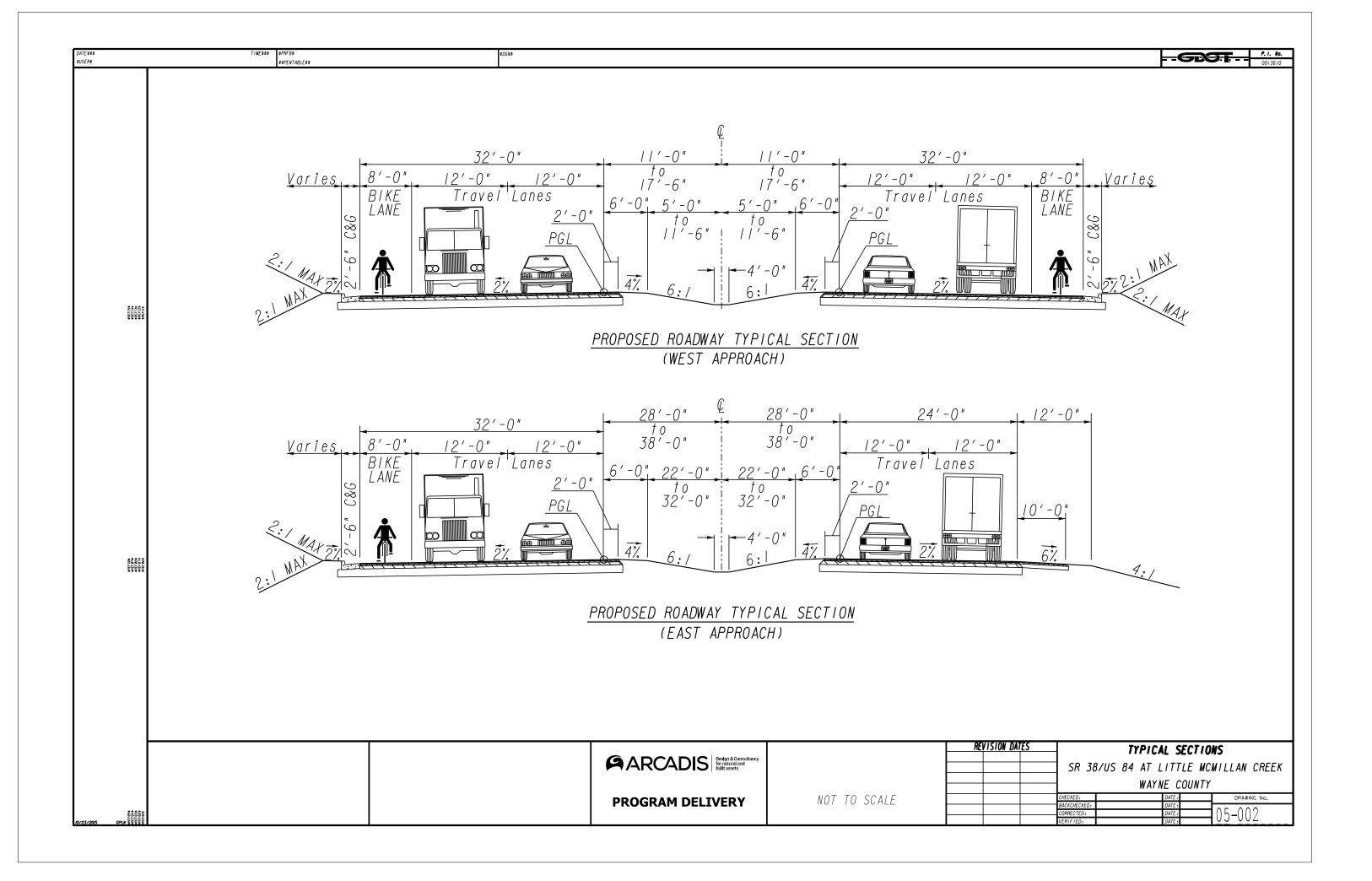
- 1. Prefered Alternative Concept Layout
- 2. Prefered Alternative Typical sections
- 3. Prefered Alternative Cost Estimates
- 4. Design Traffic Projection
- 5. SIA Bridge Inventory Data
- 6. Meeting Minutes

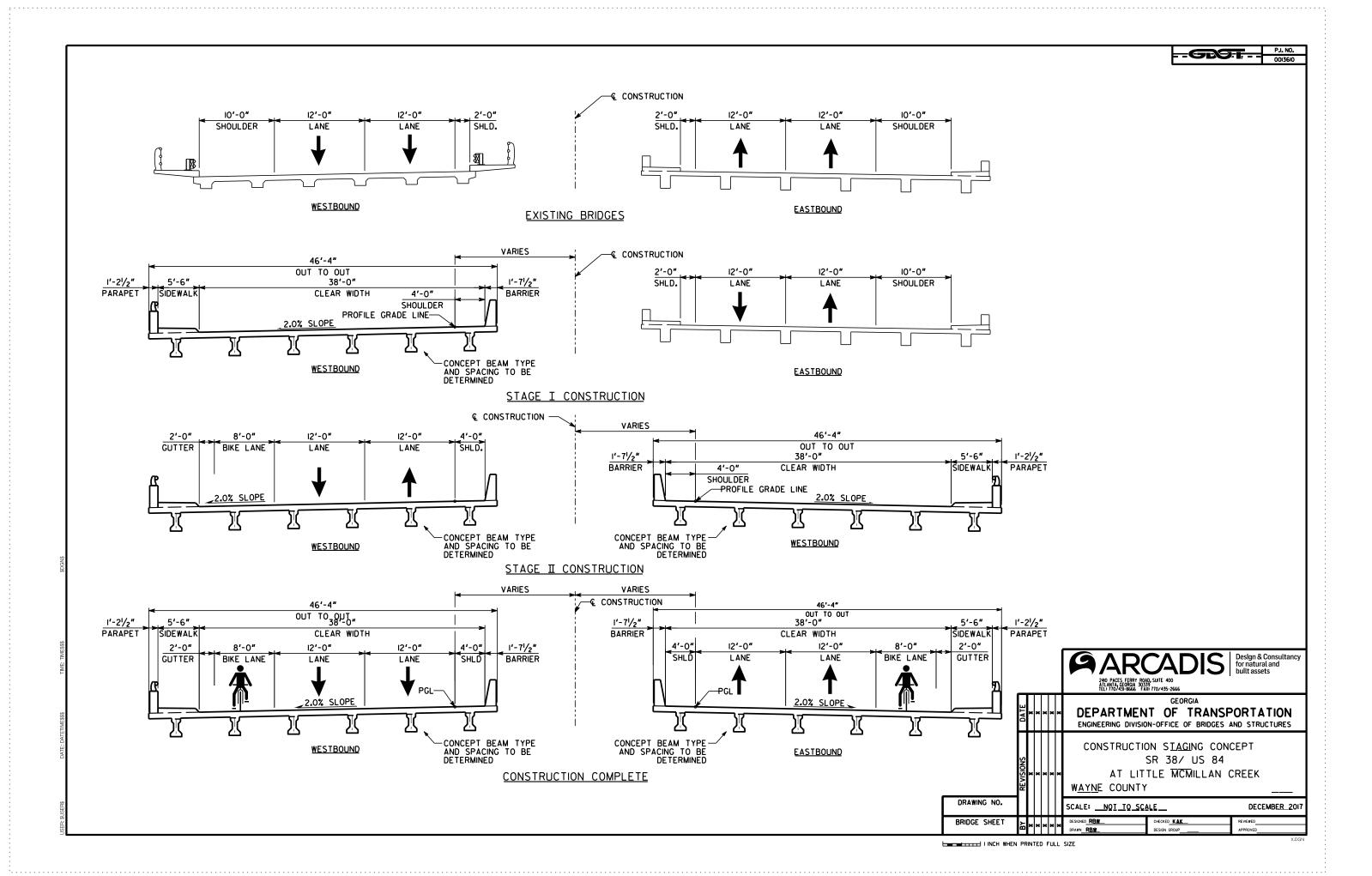












DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE	P.I. No.	0013610	OFFICE	Program Delivery				
PROJE	PROJECT DESCRIPTION							
	_	e McMillan Creek Bridge PREFERED LT 1) - Replacement of Bridges	DATE	May 1, 2018				
From:	Chandria L	. Brown, PE						
To:	-	ers, State Project Review Engineer Mailbox: CostEstimatesandUpdates@do	ot.ga.gov					
-		NS TO PROGRAMMED COSTS	MGMT LET DATE	1/1/2020				
PROJEC	CT MANAGI	ER Brian McHugh	MGMT ROW DATE	N/R				
PROGE	RAMMED C	OSTS (TPro W/OUT INFLATION)	LAST	ESTIMATE UPDATE				
CONST	RUCTION	\$ 4,850,000.00	DATE					
RIGHT	OF WAY	\$ 250,000.00	DATE					
UTILIT	IES	\$	DATE					
REVISI	ED COST ES	<u>STIMATES</u>						
CONST	RUCTION*	\$ 6,687,023.52						
RIGHT	OF WAY	\$ 250,000.00						
UTILIT	IES	\$ 88,000.00						
*Cost (Contains [15 % Contingency						
		OST INCREASE AND CONTINGENO	CY JUSTIFICATION:					
Concept	t Report Cost	Estimate						

CONTINGENCY SUMMARY

UTILITY OWNER AT&T	R		REIMBURSABLE COST			
REIMBURSABLE UTILTY COSTS						
E. CONSTRUCTION TOTAL:	\$ 6,6	87,023.52	(A + B + C + D = E)			
D. TOTAL LIQUID AC ADJUSTMENT:	\$	31,755.99	Total From Liquid AC Spreadsl	neet		
			See % Table in "Risk Based Cost Estimation" Memo			
c. CONTINGENCY:	\$ 80	68,078.37	Base Estimate (A) + E & I (B) x	15 %		
B. ENGINEERING AND INSPECTION (E & I):	\$ 2	75,580.44	Base Estimate (A) x	5 %		
A. CONSTRUCTION COST ESTIMATE:	\$ 5,5	511,608.72	Base Estimate From CES			

ATOT		
AT&T		
Compact		
Comcast		
	00,000	00
Georgia Power - Distribution	\$ 88,000.0	00
TOTAL	\$ 88,000.	00
ATTACHMENTS: (File Copy in the Project Cost Estimat	te Folder)	
Liquid AC Adjustment Spreadsheet		
Preconstruction Status Report		
•		

Consultant Validation of Final QC/QA for Construction Cost Estimate Used in This Revision To Programmed Costs

COMPANY NAME:	ARCADIS U.S., INC.
VAL	IDATION OF FINAL QC/QA
PRINTED NAME:	Umit Seyhan, PhD, MBA, PE
TITLE:	Project Manager
SIGNATURE:	Umt
DATE:	5/1/2018

Untitled

STATE HIGHWAY AGENCY

DATE : 05/01/2018

PAGE : 1

JOB ESTIMATE REPORT

SPEC YEAR: 13 JOB NUMBER : 0013610 DESCRIPTION: SR 38/US 84 AT LITTLE MCMULLEN CREEK

BRIDGE REPLACEMENT

ITEMS FOR JOB 0013610

LINE	ITEM	ALT	UNITS	DESCRIPTION	QUANTITY	PRICE	AMOUNT
0005	150-1000		LS	TRAFFIC CONTROL - PI 0013610		950000.00	950000.00
0010	210-0100		LS	GRADING COMPLETE - PI 0013610		560000.00	560000.00
0014	310-1101		TN	GR AGGR BASE CRS, INCL MATL	2462.000	44.08	108545.37
0020	402-1812		TN	RECYL AC LEVELING, INC BM&HL	90.000	108.95	9806.04
0025	402-3130		TN	RECYL AC 12.5MM SP,GP2,BM&HL	620.000	103.95	64449.37
0030	402-3121		TN	RECYL AC 25MM SP,GP1/2,BM&HL		89.83	92174.21
0035	402-3190		TN	RECYL AC 19 MM SP,GP 1 OR 2 ,INC BM&HL	616.000	95.45	58798.03
0040	413-0750		GL	TACK COAT	1411.000	1.74	2460.18
0049	432-5010		SY	MILL ASPH CONC PVMT, VARB DEPTH	2750.000	3.96	10895.64
0050	433-1000		SY	REINF CONC APPROACH SLAB CONC SIDEWALK, 4 IN CONC CURB & GUTTER/ 8X30TP2 GUARDRAIL, TP T GUARDRAIL, TP W GUARDRAIL ANCHORAGE, TP 1	580.000	170.37	98815.95
0058	441-0104		SY	CONC SIDEWALK, 4 IN	244.000	71.75	17507.42
0064	441-6222		LF	CONC CURB & GUTTER/ 8X30TP2	600.000	45.77	27462.45
0074	641-1100		LF	GUARDRAIL, TP T	120.000	66.92	8031.03
0079	641-1200		LF	GUARDRAIL, TP W	980.000	18.72	18346.11
0084	641-5001		EA	GUARDRAIL ANCHORAGE, TP 1	2.000	1087.41	2174.84
0092	641-5020		EA	GUARDRL, ANCHOR, TP 12B,31 IN, FLR, E/A	3.000	2756.02	8268.06
0093	641-5015		EACH	GUARDRL ANCHOR, TP 12A, 31 IN, TANG, E/A	3.000	2777.32	8331.97
	668-2100		EA	DROP INLET, GP 1		2917.49	2917.49
0099	540-1102		LS	REM OF EX BR, BR NO - 305-0018-0 WBL	1.000	336000.00	336000.00
0100	540-1102		LS	REM OF EX BR, BR NO - 305-0017-0 EBL	1.000	338520.00	338520.00
0103	543-9000		LS	CONSTR OF BRIDGE COMPLETE - 305-0017-0 EBL	1.000	1332085.00	1332085.00
0104	543-9000		LS	CONSTR OF BRIDGE COMPLETE - 305-0018-0 WBL	1.000	1332085.00	1332085.00
0109	163-0232		AC	TEMPORARY GRASSING	0.500	276.45	138.23
0114	163-0240		TN	MULCH	12.000	315.44	3785.31
0119	163-0300		EA	CONSTRUCTION EXIT	6.000	1509.75	9058.55
0124	163-0528		LF	CONSTR AND REM FAB CK DAM -TP C SLT FN	900.000	6.95	6255.27
0129	163-0529		LF	CNST/REM TEMP SED BAR OR BLD STRW CK DM	900.000	5.20	4687.70
0134	165-0030		LF	MAINT OF TEMP SILT FENCE, TP C	3600.000	0.89	3204.76
0139	165-0041		LF	MAINT OF CHECK DAMS - ALL TYPES	450.000	3.65	1646.87
0144	165-0071		LF	MAINT OF SEDIMENT BARRIER - BALED STRAW	450.000	2.15	968.72
				Page 1			

Untitled

0149	165-0101	EA	MAINT OF CONST EXIT	6.000	584.88	3509.31
0154	167-1000	EA	WATER QUALITY MONITORING AND SAMPLING	3.000	460.58	1381.76
0159	167-1500	MO	WATER QUALITY INSPECTIONS	24.000	757.29	18175.10
0164	171-0030	LF	TEMPORARY SILT FENCE, TYPE C	7200.000	4.22	30395.52
0169	643-8200	LF	BARRIER FENCE (ORANGE), 4 FT	2057.000	1.82	3747.94

STATE HIGHWAY AGENCY

DATE : 05/01/2018

ESTIMATED TOTAL:

PAGE : 2

JOB ESTIMATE REPORT

			JOB ESTIMATE REPORT			
0174	700-6910	AC	PERMANENT GRASSING	1.000	1368.10	1368.10
0179	700-7000	TN	AGRICULTURAL LIME	5.000	13.67	68.40
0184	700-8000	TN	FERTILIZER MIXED GRADE	1.000	609.78	609.79
0189	700-8100	LB	FERTILIZER NITROGEN CONTENT	120.000	4.09	491.22
0194	716-2000	SY	EROSION CONTROL MATS, SLOPES	10500.000	1.52	15999.48
0198	636-1033	SF	HWY SIGNS, TP1MAT,REFL SH TP 9	48.000	17.96	862.45
0199	636-2070	LF	GALV STEEL POSTS, TP 7	126.000	8.22	1035.98
0203	653-0120	EA	THERM PVMT MARK, ARROW, TP 2	3.000	99.50	298.53
0204	653-1501	LF	THERMO SOLID TRAF ST 5 IN, WHI	1490.000	0.74	1116.52
0209	653-1502	LF	THERMO SOLID TRAF ST, 5 IN YEL	880.000	0.67	594.00
0214	653-1704	LF	THERM SOLID TRAF STRIPE,24,WH	50.000	8.14	407.29
0215	653-3501	GLF	THERMO SKIP TRAF ST, 5 IN, WHI	880.000	0.42	371.52
0216	653-6006	SY	THERM TRAF STRIPING, YELLOW	436.000	4.74	2070.69
0220	654-1003	EA	RAISED PVMT MARKERS TP 3	30.000	3.99	119.74
0225	657-1085	LF	PRF PL SD PVT MKG,8,B/W,TP PB	590.000	7.31	4316.32
0230	657-3085	GLF	PRF PL SK PVMT MKG,8,B/W,TPPB	590.000	4.99	2947.12
0235	657-6085	LF	PRF PL SD PVMT MKG,8,B/Y,TPPB	590.000	7.29	4302.37
ITEM	TOTAL					5511608.72
INFLA	ATED ITEM TOTAL					5511608.72
TOTAL	S FOR JOB 0013610					
	NATED COST:					5511608.72
CONTI	INGENCY PERCENT (15.):				826741.31

826741.31 6338350.03

Original Version: May 24, 2013

Concept Utility Report

Project Number:	District: 5		
County: WAYNE	Prepared by: BECKY SIMMONS		
P.I. # <u>0013610</u>	Date: December 27, 2017		
Project Description: SR 38/US 84 @ Little McMulle	n Creek in Jesup		
The information provided herein has been gathered from Nothing contained in this report is to be used as a substitution	m Georgia811and/or field visits and serves as an estimate. tute for 1 st Submission or SUE.		
Are SUE services recommended? NO Level:	B C D		
Public Interest Determination (PID): Automa	atic Mandatory Consideration		
⊠ No Use	Exempt		
Is a separate utility funding phase recommended?	<u>NO</u>		
Existing Facilities: AT&T, Comcast and Ga. Power-L	Dist.		
Potential Project (Schedule/Budget) Impacts:			
Capital Improvement Projects (Utilities) Anticipate	ed in the Area: <u>N/A</u>		
Project Specific Recommendations for Avoidance/Mitigation: N/A			
Right of Way Coordination: N/A			
Environmental Coordination: <u>N/A</u>			
Additional Remarks: N/A			

Original Version: May 24, 2013

The following utilities have facilities within the project limits. Utilities have been located using Georgia811 and/or field visits.

Existing Facilties/Appurtenances	Approximate Limits (Station/Offset)	Reimbursable cost (est.)	Non- reimbursable cost (est.)	Facilities to Avoid (Station/Offset)
AT&T		\$0.00		
Comcast		\$0.00	\$14,250.00	
Ga. Power - Dist.		\$88,000.00		

Arcadis U.S., Inc. 2410 Paces Ferry Road, Suite 400 Atlanta, Georgia 30339

MEMORANDUM TO: Justin Banks

Georgia Department of Transportation, Office of Program

Delivery

FROM: Umit Seyhan, PE

Arcadis U.S., Inc. (Arcadis)

DATE: March 5th, 2018

SUBJECT: Design Traffic for PI#0013610, Wayne County, SR 38/US 84 at

Little McMillen Creek in Jesup

Arcadis is furnishing Traffic Assignments for the above project as follows:

BRIDGE-ID 305-0017-0 (EB) & 305-0018-0 (WB)

	2017	2022	2024	2042	2044
No Build = Build	(Existing Year)	(Base Year)	(Base Year +2)	(Design Year)	(Design Year + 2)
AADT	13,000	13,350	13,450	14,750	14,850
DHV (AM/PM)	780/1040	800/170	810/1080	880/1175	890/1190
K% (AM/PM)	6.0%/ 8.0%				
D% (AM/PM)	50.5%/52.0%				
24 HR. T% - S.U.	11.5%				
24 HR. T% - COMB.	9.5%		Como oo Fy	vioting Voor	
24 HR. T% - TOTAL	21.0%		Sallie as Ex	xisting Year	
T% - S.U. (AM/PM)	11.0%/ 11.5%				
T% - COMB. (AM/PM)	9.0%/ 7.0%				
T% - TOTAL (AM/PM)	20.0%/ 18.5%				

If you have any questions concerning this information please contact Umit Seyhan, PE at Umit.Seyhan@arcadis.com or at 770-384-6615.

SUFF. RATING: 79.4

County: Wayne

Processed Date:10/12/2017

Bridge Serial Number: 305-0017-0

Parameters: Bridge Serial Number

305-00038D-017.02E

* Location ID No:

Location & Geography		218 Datum:	0- Not Applicable	Signs & Attachments	
Structure ID:	305-0017-0	*19 Bypass Length:	1	225 Expansion Joint Type:	02- Open or sealed concrete joint (silicone sealant).
200 Bridge Information:	06	*20 Toll:	3- On a Free Road or Non-Highway	242 Deck Drains:	1- Open Scuppers.
*6 Feature Intersected:	LITTLE McMULLEN CREEK	*21 Maintenance Responsibility:	01-State Highway Agency.	243A Parapet Location:	3- Both sides.
*7A Route Number Carried:	SR00038	*22 Owner:	01-State Highway Agency.	243B Parapet Height:	2.00
*7B Facility Carried:	US 84 (EBL)	*31 Design Load:	6- HS 20 + Mod (2-24,000# Axles @ 4ft Ctrs., when they govern)	243C Parapet Width:	1.00
9 Location:	IN CITY LIMITS OF JESUP	37 Historical Significance:	5- Not eligible for the National Register of Historic Places	238A Curb Height:	0.5
2 GDOT District:	4841500000 - D5 District Five Jesup	205 Congressional District:	001	238B Curb Material:	1- Concrete.
*91 Inspection Frequency:	24 Date: 04/19/2017	27 Year Constructed:	1971	239A Handrail Left:	7- Aluminum.
92A Fracture Critical Insp. Freq:	0 Date: 02/01/1901	106 Year Reconsttucted:	0	239B Handrail Right:	7- Aluminum.
92B Underwater Insp Freq:	0 Date: 02/01/1901	33 Bridge Median:	1-Open	*240 Median Barrier Rail:	0- None.
92C Other Spc. Insp Freq:	0 Date: 02/01/1901	34 Skew:	0	241A Bridge Median Height:	0
* 4 Place Code:	42268	35 Structure Flared:	No	241B Bridge Median Width:	0
*5A Inventory Route(O/U):	1	38 Navigation Control:	0- Navigation is not controlled by an Agency	*230A Guardrail Location Direction Rear:	3- Both sides.
5B Route Type:	2 - U.S. Numbered	213 Special Steel Design:	0- Not applicable or other	*230B Guardrail Location Direction Fwrd:	0- None.
5C Service Designation:	1- Mainline	267A Type Paint Super Structure:	0- Not Applicable. Year: 0000	*230C Guardrail Location Opposing Rear:	0- None.
5D Route Number:	00084	267B Type Paint Sub Structure:	0- Not Applicable Year : 0000	*230D Guardrail Location Opposing Fwrd:	0- None.
5E Directional Suffix:	0. Not applicable	*42A Type of Service On:	5-Highway-Pedestrian	244 Approach Slab:	3- Forward and Rear.
*16 Latitude:	31 - 37.2132	*42B Type of Service Under:	5-Waterway	224 Retaining Wall:	0- None.
*17 Longtitude:	81 - 52.2336	214A Movable Bridge:	0	233 Posted Speed Limit:	45
98A Border Bridge:	0 98B: GA% 00	214B Operator on Duty:	0	236 Warning Sign:	No
99 ID Number:	0000000000000	203 Type Bridge:	D - Concrete pile. O. Concrete O. Concrete	234 Delineator:	Yes
*100 STRAHNET:	2- The Feature is on a Non-Interstate STRAHNET route.	259 Pile Encasement:	3	235 Hazard Boards:	No
12 Base Highway Network:	Yes	*43A Structure Type Main material:	1-Concrete	237A Gas:	00- Not Applicable
13A LRS Inventory Route:	3051003800	*43B Structure Type Main Type:	4-Tee Beam	237B Water:	00- Not Applicable
13B Sub Inventory Route:	0	45 Number of Main Spans:	8	237C Electric:	00- Not Applicable
101 Parallel Structure:	R. Right structure of parallel bridges	44 Structure Type Approach:	A:0- Other B: 0- Other	237D Telephone:	00- Not Applicable
*102 Direction of Traffic:	1- One Way	46 Number of Approach Spans:	0	237E Sewer:	00- Not Applicable
*264 Road Inventory Mile Post:	16.95	226 Bridge Curve:	A: Vertical: NoB: Horizontal: No	247A Lighting: Street:	No
*208 Inspection Area:	Area 05	111 Pier Protection:	N - Navigation Control item coded 0, or Feature not a waterway	247B Navigation:	No
*104 Highway System:	1-Inventory Route is on the NHS	107 Deck Structure Type:	1 - C-I-P Portland Cement Concrete - Epoxy Coated Rebars	247C Aerial:	No
*26 Functional Classification:	14- Urban - Other Principal Arterial	108A Wearing Surface Type:	1. Concrete	*248 County Continuity No.:	00
*204A Federal Route Type:	F - Primary.	108B Membrane Type:	8. Unknown	36A Bridge Railings:	2- Inspected feature meets acceptable
					construction date standards.
*204B Federal Route Number:	00263	108C Deck Protection:	8. Unknown	36B Transition:	2- Inspected feature meets acceptable
					construction date standards.
105 Federal Lands Highway:	0. Not applicable	265 Underwater Inspection Area:	0	36C Approach Guardrail:	1- Meets current standards
*110 Truck Route:	0- The Feature is not part of the National Network for			36D Approach Guardrail Ends:	2- Inspected feature meets acceptable
	Trucks				construction date standards.
217 Benchmark Elevation:	0000.00				

SUFF. RATING: 79.4

County: Wayne

Processed Date:10/12/2017

Bridge Serial Number: 305-0017-0

bridge Serial Number. 505-0017-	-0	County. wayne				30FF. RATING. 79.4		
Programming Data		Measurements:				Ratings and Posting		
201 Project Number:	F-85 (7) CT.2	*29 AADT:		18430		65 Inventory Rating Method:	1-Load Factor (LF)	
202 Plans Available:	4- Plans in Infolmage.	*30 AADT Year:		2011		63 Operating Rating Method:	1-Load Factor (LF)	
249 Proposed Project Number:	000000000000000000000000000000000000000	109 % Truck Traffic:		9		66A Inventory Type:	2 - HS loading.	
250A Reconstruction Approval Status:	No	* 28A Lanes On:		2		66B Inventory Rating:	22	
250B Route Approval Status:	No	*28B Lanes Under:		0		64A Operating Type:	2 - HS loading.	
250C Approval Status Definition:	0	210A Tracks On:		00		64B Operating Rating:	37	
250D Approval Status Federal:	0	210B Tracks Under:		0		231Calculated Loads	Р	Posting Required
251Project Identification Number:	0013610	* 48 Maximum Span Length:		26		231A H-Modified:	19	No
252 Contract Date:	02/01/1901	* 49 Structure Length:		208		231B Type3/Tandem:	20	No
260 Seismic Number:	00000	51 Bridge Roadway Width:		36.0'		231C Timber:	28	No
75A Type Work Proposed:	0- Not Applicable	52 Deck Width:		46.6'		231D HS-Modified:	26	No
75B Work Done by:	0- Initial Inventory	* 47 Total Horizontal Clearance:	:	36.0'		231E Type 3S2:	32	No
94 Bridge Improvement Cost:(X\$1,000)	\$00	50A Curb / Sidewalk Width Left:		4.0		231F Piggyback:	40	No
95 Roadway Improvement Cost: (X\$1,000)	\$0	50B Curb / Sidewalk Width Righ	nt:	4.0		261 H Inventory Rating:	16	
96 Total Improvement Cost: (X\$1,000)	\$0	32 Approach Rdwy. Width:		29.0'		262 H Operating Rating:	27	
76 Improvement Length:	0.0'	*229 Approach Roadway				67 Structural Evaluation:	5	
97 Year Improvement Cost Based On:	1900	Rear Shoulder Left: Width:	2.5	Right Width:2.5	Type: 2 - Asphalt.	58 Deck Condition:	7 - Good Condition	
114 Future AADT:	27645	Fwd Shoulder: Left Width:	4	Right Width:10.0	Type: 3 - Asphalt and Concrete.	59 Superstructure Condition:	6 - Satisfactory Condition	
115 Future AADT Year:	2031	Rear Pavement: Width:	24.0	Type:2- Asphalt.		* 227 Collision Damage:		
		Forward Pavement: Width:	24.0	Type:2- Asphalt.		60A Substructure Condition:	7 - Good Condition	
		Intersection Rear:	1	Forward:1		60B Scour Condition:	8 - Very Good Condition	
Hydraulic Data		53 Minimum Vertical Clearance	Over Rd:	99' 99"		60C Underwater Condition:	N - Not Applicable	
113 Scour Critical:	U. No Load Rating; no scour critical data	54A Under Reference Feature:		N- Feature not a hi	ighway or railroad.	71 Waterway Adequacy:	8-Equal to present desirable	criteria.
216A Water Depth:	entered. 02.1	54B Minimum Clearance Under	:	0' 0"		61 Channel Protection Cond.:	7-Better than present minimu	um criteria.
216B Bridge Height:	09.1	*228 Minimum Vertical Cleara	nce			68 Deck Geometry:	6	
222 Slope Protection:	1	228A Actual Odometer Direction	n:	99'99"		69 UnderClr. Horz/Vert:	N	
221A Spur Dike Rear:		228B Actual Opposing Direction	n:	99'99"		72 Approach Alignment:	8-No reduction of vehicle ope	erating speed
221B Spur Dike Fwd:		228C Posted Odometer Direction	on:	00'00"		62 Culvert:	required. N - Not Applicable	
219 Fender System:	0- None.	228D Posted Opposing Direction	n:	00'00"		70 Bridge Posting Required:	Equal to or above legal loa	ads
220 Dolphin:		55A Lateral Underclearance Re	ference:	N- Feature not a hi	ighway or railroad.	41 Struct Open, Posted, CL:	A. Open, no restriction	
223A Culvert Cover:	000	55B Lateral Underclearance on	Right:	0.0		* 103 Temporary Structure:	No	
223B Culvert Type:	0- Not Applicable	56 Lateral Underclearance on L	_eft:	0.0		232 Posted Loads		
223C Number of Barrels:	0	10A Direction of Travel for Max	Min:	0		232A H-Modified:	00	
223D Barrel Width:	0.0	10B Max Min Vertical Clearance	э:	99'99"		232B Type3/Tandem:	00	
223E Barrel Height:	0.0	245A Deck Thickness Main:		7.0		232C Timber:	00	
223F Culvert Length:	0.0	245B Deck Thickness Approach	n:	0.0		232D HS-Modified:	00	
223G Culvert Apron:	0	246 Overlay Thickness:		0		232E Type 3s2:	00	
39 Navigation Vertical Clearance:	0'					232F Piggyback:	00	
40 Navigation Horizontal Clearance:	0					253 Notification Date:	02/01/1901	
116 Navigation Vertical Clear Closed:	0					258 Federal Notify Date:	02/01/1901	

SUFF. RATING: 48.9

County: Wayne

Processed Date:10/12/2017

Bridge Serial Number: 305-0018-0

Parameters: Bridge Serial Number

305-00038D-017.03E

* Location ID No:

Location & Geography		218 Datum:	2- Mean Sea Level	Signs & Attachments	
Structure ID:	305-0018-0	*19 Bypass Length:	1	225 Expansion Joint Type:	02- Open or sealed concrete joint (silicone sealant).
200 Bridge Information:	06	*20 Toll:	3- On a Free Road or Non-Highway	242 Deck Drains:	1- Open Scuppers.
*6 Feature Intersected:	LITTLE McMULLEN CREEK	*21 Maintenance Responsibility:	01-State Highway Agency.	243A Parapet Location:	0- None present.
*7A Route Number Carried:	SR00038	*22 Owner:	01-State Highway Agency.	243B Parapet Height:	0.00
*7B Facility Carried:	US 84 (WBL)	*31 Design Load:	5- HS 20	243C Parapet Width:	0.00
9 Location:	IN CITY LIMITS OF JESUP	37 Historical Significance:	5- Not eligible for the National Register of Historic Places	238A Curb Height:	0.8
2 GDOT District:	4841500000 - D5 District Five Jesup	205 Congressional District:	001	238B Curb Material:	1- Concrete.
*91 Inspection Frequency:	24 Date: 04/19/2017	27 Year Constructed:	1957	239A Handrail Left:	7- Aluminum.
92A Fracture Critical Insp. Freq:	0 Date: 02/01/1901	106 Year Reconsttucted:	0	239B Handrail Right:	7- Aluminum.
92B Underwater Insp Freq:	0 Date: 02/01/1901	33 Bridge Median:	1-Open	*240 Median Barrier Rail:	0- None.
92C Other Spc. Insp Freq:	0 Date: 02/01/1901	34 Skew:	0	241A Bridge Median Height:	0
* 4 Place Code:	42268	35 Structure Flared:	No	241B Bridge Median Width:	0
*5A Inventory Route(O/U):	1	38 Navigation Control:	0- Navigation is not controlled by an Agency	*230A Guardrail Location Direction Rear:	6- Both sides, approach and continuous.
5B Route Type:	2 - U.S. Numbered	213 Special Steel Design:	0- Not applicable or other	*230B Guardrail Location Direction Fwrd:	6- Both sides, approach and continuous.
5C Service Designation:	1- Mainline	267A Type Paint Super Structure:	0- Not Applicable. Year : 0000	*230C Guardrail Location Opposing Rear:	0- None.
5D Route Number:	00084	267B Type Paint Sub Structure:	0- Not Applicable Year : 0000	*230D Guardrail Location Opposing Fwrd:	0- None.
5E Directional Suffix:	0. Not applicable	*42A Type of Service On:	5-Highway-Pedestrian	244 Approach Slab:	3- Forward and Rear.
*16 Latitude:	31 - 37.2216	*42B Type of Service Under:	5-Waterway	224 Retaining Wall:	0- None.
*17 Longtitude:	81 - 52.2438	214A Movable Bridge:	0	233 Posted Speed Limit:	45
98A Border Bridge:	0 98B: GA% 00	214B Operator on Duty:	0	236 Warning Sign:	No
99 ID Number:	00000000000000	203 Type Bridge:	D - Concrete pile. O. Concrete O. Concrete	234 Delineator:	Yes
*100 STRAHNET:	2- The Feature is on a Non-Interstate STRAHNET route.	259 Pile Encasement:	3	235 Hazard Boards:	No
12 Base Highway Network:	Yes	*43A Structure Type Main material:	1-Concrete	237A Gas:	00- Not Applicable
13A LRS Inventory Route:	3051003800	*43B Structure Type Main Type:	4-Tee Beam	237B Water:	00- Not Applicable
13B Sub Inventory Route:	0	45 Number of Main Spans:	8	237C Electric:	00- Not Applicable
101 Parallel Structure:	L. Left structure of parallel bridges	44 Structure Type Approach:	A:0- Other B: 0- Other	237D Telephone:	21- Bottom Left.
*102 Direction of Traffic:	1- One Way	46 Number of Approach Spans:	0	237E Sewer:	00- Not Applicable
*264 Road Inventory Mile Post:	16.96	226 Bridge Curve:	A: Vertical: NoB: Horizontal: No	247A Lighting: Street:	No
*208 Inspection Area:	Area 05	111 Pier Protection:	N - Navigation Control item coded 0, or Feature not a waterway	247B Navigation:	No
*104 Highway System:	1-Inventory Route is on the NHS	107 Deck Structure Type:	1 - C-I-P Portland Cement Concrete - Epoxy Coated Rebars	247C Aerial:	No
*26 Functional Classification:	14- Urban - Other Principal Arterial	108A Wearing Surface Type:	1. Concrete	*248 County Continuity No.:	00
*204A Federal Route Type:	F - Primary.	108B Membrane Type:	8. Unknown	36A Bridge Railings:	 Inspected feature meets acceptable construction date standards.
*204B Federal Route Number:	00263	108C Deck Protection:	8. Unknown	36B Transition:	Inspected feature meets acceptable construction date standards.
105 Federal Lands Highway:	0. Not applicable	265 Underwater Inspection Area:	0	36C Approach Guardrail:	1- Meets current standards
*110 Truck Route:	0- The Feature is not part of the National Network for	·		36D Approach Guardrail Ends:	2- Inspected feature meets acceptable
	Trucks				construction date standards.
217 Benchmark Elevation:	0070.46				

SUFF. RATING: 48.9

County: Wayne

Processed Date:10/12/2017

Bridge Serial Number: 305-0018-0

bridge Serial Number. 303-0016-	-0	County. Wayne				30FF. RATING. 40.9		
Programming Data		Measurements:				Ratings and Posting		
201 Project Number:	F-026-3 (3)	*29 AADT:		18520		65 Inventory Rating Method:	1-Load Factor (LF)	
202 Plans Available:	4- Plans in Infolmage.	*30 AADT Year:		2012		63 Operating Rating Method:	1-Load Factor (LF)	
249 Proposed Project Number:	000000000000000000000000000000000000000	109 % Truck Traffic:		1		66A Inventory Type:	2 - HS loading.	
250A Reconstruction Approval Status:	No	* 28A Lanes On:		2		66B Inventory Rating:	21	
250B Route Approval Status:	No	*28B Lanes Under:		0		64A Operating Type:	2 - HS loading.	
250C Approval Status Definition:	0	210A Tracks On:		00		64B Operating Rating:	36	
250D Approval Status Federal:	0	210B Tracks Under:		0		231Calculated Loads	Po	osting Required
251Project Identification Number:	0013610	* 48 Maximum Span Length:		25		231A H-Modified:	21	Yes
252 Contract Date:	02/01/1901	* 49 Structure Length:		200		231B Type3/Tandem:	21	Yes
260 Seismic Number:	00000	51 Bridge Roadway Width:		35.7'		231C Timber:	37	Yes
75A Type Work Proposed:	0- Not Applicable	52 Deck Width:		48.0'		231D HS-Modified:	30	No
75B Work Done by:	0- Initial Inventory	* 47 Total Horizontal Clearance	:	35.7'		231E Type 3S2:	40	No
94 Bridge Improvement Cost:(X\$1,000)	\$00	50A Curb / Sidewalk Width Left	:	5.0		231F Piggyback:	40	No
95 Roadway Improvement Cost: (X\$1,000)	\$0	50B Curb / Sidewalk Width Righ	ht:	5.0		261 H Inventory Rating:	15	
96 Total Improvement Cost: (X\$1,000)	\$0	32 Approach Rdwy. Width:		29.0'		262 H Operating Rating:	25	
76 Improvement Length:	0.0'	*229 Approach Roadway				67 Structural Evaluation:	4	
97 Year Improvement Cost Based On:	1900	Rear Shoulder Left: Width:	4	Right Width:2.5	Type: 1 - Concrete.	58 Deck Condition:	4 - Poor Condition	
114 Future AADT:	27780	Fwd Shoulder: Left Width:	2.5	Right Width:2.5	Type: 3 - Asphalt and Concrete.	59 Superstructure Condition:	4 - Poor Condition	
115 Future AADT Year:	2032	Rear Pavement: Width:	24.0	Type:2- Asphalt.		* 227 Collision Damage:		
		Forward Pavement: Width:	24.0	Type:2- Asphalt.		60A Substructure Condition:	5 - Fair Condition	
		Intersection Rear:	1	Forward:1		60B Scour Condition:	8 - Very Good Condition	
Hydraulic Data		53 Minimum Vertical Clearance	Over Rd:	99' 99"		60C Underwater Condition:	N - Not Applicable	
113 Scour Critical:	U. No Load Rating; no scour critical data entered.	54A Under Reference Feature:		N- Feature not a h	ighway or railroad.	71 Waterway Adequacy:	8-Equal to present desirable of	criteria.
216A Water Depth:	00.2	54B Minimum Clearance Under	r:	0' 0"		61 Channel Protection Cond.:	8-Equal to present desirable of	criteria.
216B Bridge Height:	09.2	*228 Minimum Vertical Cleara	ince			68 Deck Geometry:	5	
222 Slope Protection:	1	228A Actual Odometer Direction	n:	99'99"		69 UnderClr. Horz/Vert:	N	
221A Spur Dike Rear:		228B Actual Opposing Direction	n:	99'99"		72 Approach Alignment:	8-No reduction of vehicle ope	erating speed
221B Spur Dike Fwd:		228C Posted Odometer Direction	on:	00'00"		62 Culvert:	required. N - Not Applicable	
219 Fender System:	0- None.	228D Posted Opposing Direction	on:	00'00"		70 Bridge Posting Required:	4. 0.1 - 9.9% below	
220 Dolphin:		55A Lateral Underclearance Re	eference:	N- Feature not a h	ighway or railroad.	41 Struct Open, Posted, CL:	P. Posted for load	
223A Culvert Cover:	000	55B Lateral Underclearance or	n Right:	0.0		* 103 Temporary Structure:	No	
223B Culvert Type:	0- Not Applicable	56 Lateral Underclearance on I	Left:	0.0		232 Posted Loads		
223C Number of Barrels:	0	10A Direction of Travel for Max	Min:	0		232A H-Modified:	21	
223D Barrel Width:	0.0	10B Max Min Vertical Clearance	e:	99'99"		232B Type3/Tandem:	21	
223E Barrel Height:	0.0	245A Deck Thickness Main:		7.0		232C Timber:	37	
223F Culvert Length:	0.0	245B Deck Thickness Approach	h:	0.0		232D HS-Modified:	00	
223G Culvert Apron:	0	246 Overlay Thickness:		0		232E Type 3s2:	00	
39 Navigation Vertical Clearance:	0'					232F Piggyback:	00	
40 Navigation Horizontal Clearance:	0					253 Notification Date:	02/01/1901	
116 Navigation Vertical Clear Closed:	0					258 Federal Notify Date:	02/01/1901	

RECORD OF MEETING



Subject:

TO #2 - SR 38/US 84 at Little McMillan Creek Bridge Replacement (PI No. 0013610, Wayne County) Initial Concept Team Meeting Arcadis Project No.:

Arcadis U.S., Inc.
2410 Paces Ferry Road
#400
Atlanta
Georgia 30339
Tel 770 431 8666
Fax 770 435 2666
www.arcadis.com

Meeting Location:

GDOT District 5 Office GDOT Program Delivery Conference Room 25th Floor Participants:

See sign-in sheets

Copies:

Meeting Date:

December 19, 2017

Minutes by: Issue Date:

Umit Seyhan December 21, 2017

The purpose of this meeting was to discuss project concerns, coordination, and schedule as they relate to the initial concept design process. The following is a summary of the items discussed.

- Amy Laskoski (Arcadis) discussed the following items:
 - Project background including:
 - Project information
 - Project description
 - o Existing bridge conditions
 - Existing roadway facilities
 - Project justification
 - Project challenges/known conditions
 - o Design features
 - Utilities
 - Environmental resources and anticipated permits
 - Jillian Neupauer (Arcadis) brought up that the draft concept report currently states that a PIOH will be needed however; if the preferred alternative is selected there will be no detour and no there is no known public controversy. As such, this can be revised in the concept report to state that no PIOH will be required.
 - Additional alternatives considered
 - Other project items

Questions/comments

- Troy Pittman, GDOT Preconstruction, asked why sidewalks were being proposed on both sides of the bridge. Umit responded that it is based on the bridge design manual. If it is in the city limits, sidewalks need to be put on both sides. Troy responded that he doesn't anticipate foot traffic on the inside shoulders of the bridge. Umit indicated that he will get confirmation from GDOT Bridge Department if the inside sidewalks can be eliminated. Troy also stated that he did not see a problem with closing the westbound bridge and detouring eastbound, but asked when eastbound is closed, how traffic getting on the bypass would be handled. Umit responded there would be crossover before the bypass. He stated that there are elevation differences between EB and WB lanes and that should be considered during the detail design to see it the crossover can be utilized. Umit agreed that the elevation issue will be considered during the preliminary design.
- O Brian McHugh asked if Alternative 1 had been decided on. Umit indicated that even EB and WB are closed to traffic with utilizing off-site detours, the contractor will demolish and build bridges one at a time which is same as with the current preferred alternative. Therefore, closing the traffic on both direction will not reduce the construction duration and might have a minimal cost saving while the current alternative at least has one lane open to traffic in each direction which will eliminate the user cost during the construction. Umit confirmed that this was the preferred alternative unless other attendees felt otherwise.
- Brian McHugh asked if there were any issues with elevating this meeting to the concept team meeting as opposed to the initial concept team meeting. The consensus is that there is no issue.

ACTION ITEMS

1. Arcadis to revise PIOH requirement in the concept report

Pl Nos.0013599, 0013610, 0013715 concept team meetings 12/19/2017

Sign-In Sheet



Name	Company	Phone	email
Jillian Neupawer	Avcadis	7703846595	fillian.neupaner greadis.
Amber Barlow (all 3 Pls)	GDOT-NEPA		abarlowadot.ga.gov
Steve Gaston (PI 0013599 only) GOOT-Bridge	404-631-1881	sgaston@ dot.ga, gav
Darren Wilton	Moffatta Nichol	404-205-8534	dwilton @moffattnicholocom
SCOTT CAPLES	MIFFATT & NICHOL	404-205-8536	scaples@moffattnickol. com
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Sign-In Sheet



PI0013610 Concept Team Meeting - District 5 Conf. Room December 19, 2017

Name		Company	Phone	email	
Greg Wasdin	6-20	it - Wilifies	912-530-4468	gwasdine dot. ga. gou	
Byron Cowart		T-D5 Planning	912-530-4453	bcowart@dot.ga.gov	
JOEY WHITE	A	3L	912-239-6508	JOSEWHIT @ SOUTHERNCO, COM	
Timothy Will 1.	ams GDO	T- A3 CONSTR.	912 424- 9296	tiwilliams@ dot.ga.gov	
J. Cory K	nox GDC	OT DIST CONST	424 8975	cknoxe dot.go.gov	
Unit Scy44	10 Arca	ان ا	4046437484	Unit-scyhan garad.	1
> WALLY ORRE		sh County IDA	912-437-6659	WAlly @ maintoskga.com	· con
> Becky Simmi	as GDO	T utility	912-530-4399	beimmons adot. ga. gov	
Taheem Muhai	nmal GOOT	Traffic Ops	912 530 4402	Formhammed of dot	
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Sign-In Sheet



PI0013610 Concept Team Meeting - District 5 Conf. Room December 19, 2017

Name	Company	Phone	email
BRIAN MUTUOH	GDOT OPD	404514 4882	buchagh adot.ga.gov
Brandon Mc Daniel	GDOT Const.	912)424-9385	bmcdaniel@dot.ga.gev
JEROME SHEPPIELD	GDOT CONST.	912-237-3800	8 0
KOREY MURRAY	GDOT CONST.	(912) 530-4390	murrayko@dot.ga.gov
Adam Popper	mo co Atta	912223 4470	beoppell adar estal, not
Patrick Zoucks	McIntosh County Manager	- 412-269-0267	patrick. 20ucks @ maintosh county -ga. 900
SMANN JORDAN	MCIATOSN. DEDITY CO, MANGER	912266-5618	SMANN. JORDAND MEINTESH COUNTY -9
NEIL DUBBERLY	GDOT		N. DUBBERLY 2 doT. GA. GOV
Leslie Dubbecky	GDG		Hutterly Edot. ga. ga
3			
TROJ P. TIMOS	Corros me Cons,	9,2282 5880	troit range dot again